



#12

Atty. Docket No.: 96074DIV (3600-011-01)			Application N	lo.:	09/475,38	35		
Applicant:	C	SHOSAL, et al.			<u></u>			
Filing Date:		December 30, 1999		Group Art Un	it:	1724		
			U	S. PATENT D	OCUME	ENTS		
Examiner Initial*		Document Number	Date	Name		Class	Sub Class	Filing Date If Appropriate
		<u>.</u>	FOR	EIGN PATENT	DOCU	MENTS	.1.	
_		Document Number	Date	Country		Class	Sub Class	Translation Yes or No
11	,	0300448 A2	1/25/1989	Europe				
26	,	0635301 A2	1/25/1995	Europe				
14	ş	DE 10024312 A1	7/26/2001	Germany		-		See Search Report
10		04346830	12/2/1992	Japan				Abstract
H		002193066	7/30/1990	Japan		-		Abstract
71		58041351	3/10/1983	Japan				Abstract
A	,	WO 97/47382	12/18/1997	WIPO				
		OTHER I	DOCUMENTS ((Including Autho	or, Title	, Date, Pe	ertinent Pages	, Etc.)
1/		International Search	h Report for Inte	ernational Applic	cation N	o. PCT/U	JS01/27347	
,								
Examiner		Juch	hue		Date C	onsidered	<u> </u>	8-49-02
*Examiner:								P 609; draw line through citation ununication to applicant.
Form PTO 14	49				Paten	t and Tra	demark Offic	e - U.S. Department of Commerce



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV 7-80) PATENT AND TRADEMARK OFFICE					Atty. Docket No. 3600-011-01				Div. of Serial Number 08/663,709		
INFORMA	TION DISCLOSUR	E STATE	EMENT		ŀ	PPLICAN HOSAL					U.S.
					ı	LING D)	GI	ROUP AR	T. jc575
		U.	S. PATI	ENT DO	CU	MENTS	,				
EXAMINER'S DOCUMENT DATE NAME INITIALS NUMBER						CLASS	SUB-			G DATE, I OPRIATE	F
11	4,265,768	5/5/81	Beasle	ey et al.		210	682				
16	4,320,011	3/16/82	Sato e	t al.		210	694				
11	4,831,011	5/46/89	Oikawa et al.			502	406				
11	5,476,989	12/19/95	Mimo	imori et al.		588 2					
		FOR	EEIGN P	ATENT 1	DOC	CUMENT	rs				
	DOCUMENT NUMBER	DA	TE	COUN	ITRY	Y	CLASS	SUB- CLAS		TRANSI YES	LATION NO
11	WO 95/01838	1/19	9/95	PCT					-	YES	
OTHER	INFORMATION (II									-	
#	English Abstra Component Ca			ication No	o. 56 ——	078629, 0	dated Jun	e 27, 19	981, "E	Basic Malo	dorous
											
EXAMINER	Jul house				DA	TE CON	SIDERE	7	-DVI-	02	

U.S. Patent Application No. 08/663,709

OMB No. 0651-0011

5

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

		,			85 PT
96074DIV (97	0409A)	Serial No.: Not yet ass	signed		538 538
Ranjan Ghosal et	al.				2
Herewith		Group: Not yet ass	sianed		ار 100
	U.S.			·	<u> </u>
Document Number	Date	Name	Class	Sub Class	Filing Date
1,999,573	04/30/35	Odell			
2,156,591	05/02/39	Jacobson			
2,121,535	06/21/38	Amon			
2,375,795	05/15/45	Krejci			
2,502,254	03/28/50	Glassman			
2,514,236	07/04/50	Glassman			
2,564,700	08/21/51	Krejci			
2,625,492	01/13/53	Young			
2,632,713	03/24/53	Krejci			
2,793,100	05/21/57	Weihe			
2,833,736	05/06/58	Glaser			
2,867,540	01/06/59	Harris			· ·
2,891,595	06/23/59	Kuntz et al.			
3,011,902	12/05/61	Jordon			
3,025,259	03/13/62	Wason et al.			
3,043,708	-07/10/52				
3,094,428	06/18/63	1140			
3,203,819	08/31/65				
3,317,458	05/02/67				
3,335,020					
	Ranjan Ghosal et a Herewith Document Number 1,999,573 2,156,591 2,121,535 2,375,795 2,502,254 2,514,236 2,564,700 2,625,492 2,632,713 2,793,100 2,833,736 2,867,540 2,891,595 3,011,902 3,025,259 3,043,708 3,094,428 3,203,819	Document Number Date 1,999,573 04/30/35 2,156,591 05/02/39 2,121,535 06/21/38 2,375,795 05/15/45 2,502,254 03/28/50 2,514,236 07/04/50 2,564,700 08/21/51 2,625,492 01/13/53 2,632,713 03/24/53 2,793,100 05/21/57 2,833,736 05/06/58 2,867,540 01/06/59 2,891,595 06/23/59 3,011,902 12/05/61 3,025,259 03/13/62 3,094,428 06/18/63 3,203,819 08/31/65 3,317,458 05/02/67	Ranjan Ghosal et al. Herewith Group: Not yet ass U.S. PATENT DOCUMENTS Document Number Date Name	Ranjan Ghosal et al. Herewith Group: Not yet assigned	Ranjan Ghosal et al. Herewith Group: Not yet assigned

tral Laure 7-2402

11	TT			_ 0114121382
12	3,390,006	06/25/68	Takewell et al.	
	3,479,300	11/18/69	Rivin et al.	
	3,528,840	09/15/70	Aboytes	
	3,607,813	09/21/71	Purcell et al.	
	3,622,650	11/23/71	Berstein et al.	
	3,660,132	05/02/72	Illigen et al.	
	3,663,285	05/16/72	Graf et al.	
	3,674,670	07/04/72	Erikson et al.	
	3,686,111	08/22/72	Makhlouf et al.	
	3,689,452	09/05/72	Burke, Jr.	
	3,716,513	02/13/73	Burke, Jr.	
	3,846,141	11/05/74	Ostergren et al.	
	3,873,489	03/25/75	Thurn et al.	
	3,876,603	04/08/75	Makhlouf	
	3,997,356	12/14/76	Thurn et al.	
	4,003,751	01/18/77	Carder	
	4,006,031	02/01/77	Ferch et al.	
	4,014,833	03/29/77	Story	
	4,014,844	03/29/77	Vidal et al.	
	4,061,830	12/06/77	Greenberg	
	4,071,496	01/31/78	Kraus et al.	
	4,074,035	02/14/78	Powers et al.	
	4,108,679	08/22/78	Szczepanik et al.	
	4,176,361	11/27/79	Kawada et al.	
	4,204,871	05/27/80	Johnson et al.	+
	4,204,876	05/27/80	Bowden	
	4,211,578	07/08/80	Scott, IV	
	4,229,333	10/21/80	Wolff et al.	
11	4,290,072	09/15/81	Mansukhani	

Inol fame 7-24-02

Page 2 of 13

10	1,000,004		U(4)7, 785
15	4,293,394	10/06/81	Darlington et al.
-	4,297,145	10/27/81	Wolff et al.
10/	4,308,061	12/29/81	Iwahashi et al.
	4,328,041	-05/04/81	Wilson 68
	4,360,627	11/23/82	Okado et al.
	4,442,256	04/10/84	Miller
	4,451,597	05/29/84	Victorius
	4,468,496	08/28/84	Takeuchi et al.
	4,476,270	10/09/84	Brasen et al.
	4,478,905	10/23/84	Neely, Jr.
	4,503,174	03/05/85	Vasta
	4,503,175	03/05/85	Houze et al.
	4,517,335	05/14/85	Wolff et al.
	4,525,521	06/25/85	DenHartog et al.
	4,525,570	06/25/85	Blum et al.
	4,530,961	07/23/85	Nguyen et al.
	4,544,687	10/01/85	Schupp et al.
	4,555,535	11/26/85	Bednarek et al.
	4,556,427	12/03/85	Lewis
	4,590,052	05/20/86	Chevallier et al.
	4,597,794	07/01/86	Ohta et al.
	4,605,542	08/12/86	Harada
	4,605,596	08/12/86	Fry
	4,620,993	11/04/86	Suss et al.
	4,620,994	11/04/86	Suss et al.
	4,650,718	03/17/87	Simpson et al.
	4,659,770	04/21/87	Vasta
	4,665,128	05/12/87	Cluff et al.
71	4,670,059	06/02/87	Hackleman et al.

Inap laure 7-24-02

oalin zer

48	4,680,204	07/14/07	D 4.1	04/4/5,38
1//		07/14/87	Das et al.	
	4,681,811	07/21/87	Simpson et al.	
	4,692,481	09/08/87	Kelly	
	4,702,749	10/27/87	Sircar et al.	
	4,710,543	12/01/87	Chattha et al.	
	4,713,427	12/15/87	Chattha et al.	
	4,719,132	01/12/88	Porter, Jr.	
	4,727,100	02/23/88	Vasta	
	4,741,780	05/03/88	Atkinson	
	4,752,532	06/21/88	Starka	
	4,764,430	08/16/88	Blackburn et al.	
	4,770,706	09/13/88	Pietsch	
	4,789,400	12/06/88	Solodar et al.	
	4,798,745	01/17/89	Martz et al.	
	4,798,746	01/17/89	Claar et al.	
	4,808,656	02/28/89	Kania et al.	
	4,820,751	04/11/89	Takeshita et al.	
	4,822,844	04/18/89	Kawakami et al.	
	4,824,900	04/25/89	Sakurai	
	4,840,674	06/20/89	Schwarz	
	4,853,037	08/01/89	Johnson et al.	
	4,866,131	09/12/89	Fujimaki et al.	
	4,883,838	11/28/89	Jung et al.	
	4,894,420	01/16/90	Scriver	
	4,908,397	03/13/90	Barsotti et al.	
	4,914,148	04/03/90	Hille et al.	
	4,927,868	05/22/90	Schimmel et al.	
	4,975,474	12/04/90	Barsotti et al.	
	4,994,520	02/19/91	Mori et al.	
41	5,008,223	04/16/91	Speer et al.	

Inach Jame
7-24-02 Page 4 of 13

09/475,385 5,008,335 04/16/91 Pettit, Jr. 5,017,435 05/21/91 Barsotti et al. 5,026,755 06/25/91 Kveglis et al. 5,051,464 09/24/91 Johnson et al. 5,064,719 11/12/91 DenHartog et al. 5,066,733 11/19/91 Martz et al. 5,076,843 12/31/91 Acitelli et al. 5,093,391 03/03/92 Barsotti et al. 5,093,407 03/03/92 Komai et al. 5,100,470 03/31/92 Hindagolla et al. 5,106,417 04/21/92 Hauser et al. 5,109,055 04/28/92 Nagasaki et al. 5,114,477 05/19/92 Mort et al. 5,122,552 06/16/92 Johnson 5,130,004 07/14/92 Johnson et al. 5,130,363 07/14/92 Scholl et al. 5,141,556 08/25/92 Matrick 5,152,801 10/06/92 Altermatt et al. 5,159,009 10/27/92 Wolff et al. 5,162,409 11/10/92 Mroczkowski 5,168,106 12/01/92 Babcock et al. 5,173,111 12/22/92 Krishnan et al. 5,179,191 01/12/93 Jung et al. 5,182,355 01/26/93 Martz et al. 5,184,148 02/02/93 Suga et al. 5,190,582 03/02/93 Shinozuka et al. 5,200,164 04/06/93 Medalia et al.

> Luch land 724-02

04/20/93

04/27/93

5,204,404

5,206,295

Page 5 of 13

Werner, Jr. et al.

Harper et al.

10				09/4/5/285
- 4 F	5,221,581	06/22/93	Palmer et al.	
	5,227,425	07/13/93	Rauline	
	5,229,452	07/20/93	Green et al.	
	5,232,974	08/03/93	Branan, Jr. et al.	
	5,236,992	08/17/93	Bush	
	5,242,751	09/07/93	Hartman	
	5,266,361	11/30/93	Schwarte et al.	
	5,266,406	11/30/93	DenHartog et al.	
	5,276,097	01/04/94	Hoffmann et al.	
	5,281,261	01/25/94	Lin	
	5,286,286	02/15/94	Winnik et al.	
	5,286,291	02/15/94	Bernhardt et al.	
	5,288,788	02/22/94	Shieh et al.	
	5,290,848	03/01/94	Palmer et al.	
	5,294,253	03/15/94	Carlson et al.	
	5,302,197	04/12/94	Wickramanayke et al.	
	5,310,778	05/10/94	Shor et al.	
	5,314,953	05/24/94	Corcoran et al.	
	5,314,945	05/24/94	Nickle et al.	
	5,319,044	06/07/94	Jung et al.	
	5,320,738	06/14/94	Kaufman	
	5,324,790	06/28/94	Manring	
	5,328,949	07/12/94	Sandstrom	
	5,334,650	08/02/94	Serdiuk et al.	
	5,336,716	08/09/94	Kappes et al.	
	5,336,730	08/09/94	Sandstrom	
	5,336,753	08/09/94	Jung et al.	
#	5,352,289	10/04/94	Weaver et al.	

Trak farel 7-24-02

11					G	9/475,385
- +2	5,356,973	10/18/94	Taljan et al.			
	5,366,828	11/22/94	Struthers			
	5,401,313	03/28/95	Supplee et al.			
	5,401,789	03/28/95	Wolf et al.			
	5,430,087	07/04/95	Carlson et al.			
	5,554,739	09/10/96	Belmont			
	5,559,169	09/24/96	Belmont et al.			
	5,571,311	11/05/96	Belmont et al.			
	5,575,845	11/19/96	Belmont et al.			
11-	T-860-001	03/18/69	Gessler			
		FOREIG	N PATENT DOCUMENTS			1
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
1+	0 006 190 A1	01/09/80	Europe			No (Cited in PCT Search Report)
\mathcal{H}	0 441 987 A2	08/21/91	Europe			- Journal Reports
16	862,018	03/01/61	Great Britain			
H	1,191,872	05/13/70	Great Britain			
#	1,215,895	04/21/60	France			Translation Only
16	1,224,131	06/22/60	France			Yes (Claims)
11	1,331,889	05/27/63	France			No (Cited in PCT Search Report)
11	1,164,786	04/28/60	France			Yes-Claims
H	24 26 266 A1	12/11/75	Germany			No (Cited in PCT Search Report
JL	WO 91/15425	10/17/91	PCT			- Couroni (cport
H	WO 92/13983	08/20/92	PCT			Yes
8L	E 72775	04/28/60	France '			162
£	DE 3170748	07/04/85	Germany (Abstract)			V
41	5-178604	07/20/93	Japan			Yes
11	7-30269	04/05/95	Japan			Yes
11	0 711 805 A1	05/15/96	Europe		<u> </u>	Abstract
11	2,044,741 A	10/2/80	U.K.			
IL	1,363,428	08/14/74	Great Britain			

Ind finel 7-24-02

					4/2/00)
12	1,139,620	01/08/69	Great Britain		
11	35 02 494 A1	08/08/85	Germany		Yes
71	0 411 160 A1	02/06/91	Еигоре		
77	0 501 227 A1	09/02/92	Europe		Abstract
7	0 641 823 A1	03/06/95	Europe		, aboutage
12	0 646 621 A1	04/05/95	Europe		
#1	2,477,593	11/09/81	France (Abstract)		
11	2,607,528	06/03/88	France (Abstract)		
U 11	2,564,489	10/8/0	France (Abstract)		
12	59/82,467	05/12/84	Japan (Abstract)		
14	272,127	06/22/88	Europe (Abstract)		
fl	410,152	02/23/94	Europe (Abstract)		
Jt.	433,229	06/19/91	Europe (Abstract)		
11	6,067,421	03/11/94	Japan (Abstract)		
11	5,339,516	12/21/93	Japan (Abstract)		
12	6,025,572	02/01/94	Japan (Abstract)		
11	636,591	02/01/95	Europe (Abstract)		
J.L	6,073,235	03/15/94	Japan (Abstract)		
11	05/271,365	10/19/93	Japan (Abstract)		+
11	06/025,572	02/01/94	Japan (Abstract)		
fL	01/275,666	11/06/89	Japan (Abstract)		_
	OTHER DOCUM	TENTS (Includi	ng Author, Title, Date, Perti	nent Pages Etc.)	
1L	Derwent Abstra	ct, AN No. 80-0	3330C, "Sulphonated Carbor lot Aqueous Acid," SU,A,659	Diamont Door C	n by Treating
1L		ct, AN No. 82-2	8019E, "Penetrating Flexogra		Polyacrylic Resin,"
f.L		ct, AN No. 86-3	35147, "Wear Resistant Rubi ember 198	ber Composition for	Tire Tread Rubber,"
14			94-031974/04, Japanese Pai	tent Application No.	221.45.270, 1000
11	Derwent Abstrac	ct WPI Acc No.	94-072121/09, Japanese Pat	terr Application No. 9	92145679, 1992

Juh Jamel 7-24-02

Page 8 of 13

	04/475,285
11	Derwent Abstract WPI Acc No. 94-121502/15, Japanese Patent Application No. 92241473, 1992
· fl	Derwent Abstract WPI Acc No. 94-124167/15, Japanese Patent Application No. 9133147, 1991
1/2	Derwent Abstract, AN No. 95-183086, "Tire Treated Rubber Composition," 10/21/93, JPA 07102116
14	Derwent Abstract, AN No. 94-189154, "Ink for Writing Implements," 05/10/94, JPA 61-28517A
#	Patent Abstracts of Japan Publication No. JP7102116, "Rubber Composition for Tire Tread," 04/18/95
H	Moschopedis, et al., "The Reaction of Diazonium Salts with Humic Acids and Coals: Evidence for Activated Methylene Bridges in Coals and Humic Acids," Fuel, Vol. 43, No. 4, pp. 289-98, 1964
H i	Roberts et al., <u>Basic Principles of Organic Chemistry</u> , Second Edition, W.A. Benjamin, Inc., Pub., pg. 1080
1	Allen, "Thermal Ink Jet Printing Trends and Advances," BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey, California
12,	Schneider, "Continuous Ink Jet," BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey, California
\mathcal{H}	Major, "Formulating the Future of Automotive Coatings," Modern Paint and Coatings, July 1993
71	Greenfield, "Fewer Formulation Options Lead to Emphasis on Familiar," Modern Paint and Coatings, July 1992
\mathcal{H} .	Schrantz, "Regulations and Competition Push Technological Change," Modern Paint and Coatings, July 1994
21 1	"Regulations Focus Formulator Attention on Additives," Modern Paint and Coatings, July 1994
M !	The Printing Ink Manual, Fifth Edition, R.H. Leach et al., Blueprint Press, Chapters 8, 9, and 10
It.	Tsubokawa, "Functionalization of Carbon Black by Surface Grafting of Polymers," Polym. Sci., Vol. 17, pp. 417–470, 1992
fe .	Wolff et al., "The Influence of Modified Carbon Blacks on Viscoelastic Compound Properties," Kautschuk & Gummi, Kuststoffe 44, Jahrgang, Nr. 10/91
H.	Bourdillon et al., "Immobilization of Glucose Oxidase on a Carbon Surface Derivatized by Electrochemical Reduction of Diazonium Salts," <u>J. Electroanal. Chem.</u> , Vol. 336, pp. 113-123, 1992
H.	Ohkita et al., "The Reaction of Carbon Black Surface with 2,2-Diphenyl-1-Picrylhydrazyl," <u>Carbon</u> , Vol. 10, No. 5, pp. 631-636, 1972
M.	Watson, "Chemical Aspects of Reinforcement," Compounding Research Department, Dunlop Research Center, Dunlop Rubber Co., pp. 987-999

Jul Jame

BA 1475, 385

	09/475/285
H	Garten et al., "Nature of Chemisorptive Mechanisms in Rubber Reinforcement," Commonwealth Scientific and Industrial Research Organ., Div. of Industrial Chem., Melbourne, Australia, pp.
R.	Donnet et al., "Chimie Superficielle et Sites Privilegies Des Charges Fines," Extrait de la Revue Generale du Caoutchoic, July 1959
ge .	Ullmann's Encyclopedia of Industrial Chemistry, Fifth Edition, Vol. A-8, pp. 508-509, 1987
11.	Donnet et al., "Sur la Structure Aroxylique des Groupements Quinoniques et des Radicaux Libres Presentes en Surface des Noirs de Carbon," Ref. Gen. Caoutchouc Plastiques, Vol. 42, No. 3, pp. 389-92, 1965 (with English Abstract)
H.	Yamaguchi et al., "Novel Carbon Black/Rubber Coupling Agent," Kautschuk & Gummi, Kuntstoffe 42, Jahrgang, Nr. 5/89
#	Studebaker et al., "Oxygen-Containing Groups on the Surface of Carbon Black," <u>Industrial and Engineering Chemistry</u> , Vol. 48, No. 1, pp. 162-166, January 1956
\mathcal{H}	Zoheidi et al., "Role of Oxygen Surface Groups in Catalysis of Hydrogasification of Carbon Black by Potassium Carbonate," <u>Carbon</u> , Vol. 25, No. 6, pp. 809-819, 1987
The same	Scherrer, "Coloration of Ink Jet Inks," Presentation at BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey
	Ink Jet Printing: 1994 Overview and Outlook, Chapter 7
pr i	The Printing Ink Manual, Fourth Edition, Chapter 2, Leach et al., Eds., 1988
\mathcal{H} ,	Andreottoia, Ink Jet Ink Technology, pp. 531-544
,	Gregory," High-Technology Applications of Organic Colorants, Chapter 9, "Ink-Jet Printing," 1991
\mathcal{H}	PCT Search Report, PCT/US 95 16452, April 17, 1996
#L	PCT Search Report, PCT/US 95/16195, April 19, 1996
JL.	PCT Search Report, PCT/US 95/16281, April 26, 1996
<u> </u>	PCT Search Report, PCT/IB 95/01154, April 29, 1996
JL	PCT Search Report, PCT/US 95/16453, May 15, 1996
Le	Chemical Abstract No. 113:116901, 11/06/89
4	Chemical Abstract No. 120325954, 02/01/94
12	RAPRA Abstract No. 432845, "Compounding Heat Resistant Non-Black EPDM Rubber Compounding Report," December 1990
IL	RAPRA Abstract No. 417612, "Review: Polymer-Filler Interactions in Rubber Reinforcement," October 1990
14	RAPRA Abstract No. 403202, "Organotitanate, Zirconate Effect on Elastomers," June 1990

1-2402

RAPRA Abstract No. 394030, "Mechanical Properties of Natural Rubber/Grafted Cellulose Fibre 1h Composites," 1990 RAPRA Abstract No. 390600, "Application of Coupling Agents to Elastomers," 1989 RAPRA Abstract No. 00388935, "Light Coulored Fillers in Polymers," November 1989 Dialog Abstract EMA Number 8602-C1-D-0297, "Carbon Black is Better With Silica," October 1985 RAPRA Abstract No. 00343229, "White and Black Fillers for Rubber Compounds," December 1986 W RAPRA Abstract No. 00177481, "Ethylene-Propylene Rubbers," 1981 RAPRA Abstract No. 00105623, "Putting Performance Into Thermosets with Titanium Coupling Agents," October 1976 RAPRA Abstract No. 00056893, "Applications for Silane Coupling Agents in the Automotive Industry," October 1975 RAPRA Abstract No. 00002608, "Ground Rice Hull Ash as a Filler for Rubber," October 1974 RAPRA Abstract No. 00000937, "Reduction of Heat Build-up in Mineral-Filled Elastomers Through the Use of Silane Coupling Agents," May 1973 RAPRA Abstract No. 00105623, "Putting Performance into Thermosets With Titanium Coupling Agents," October 1976 Derwent Abstract, Japanese Patent Publication No. 80-73657, 03/19/96 Derwent Abstract, WPI Acc No. 78-73373A/41, Japanese Patent Application No. 53-100190, 1978 Derwent Abstract, WPI Acc No. 95-019436/03, Japanese Patent Application No. 63-06289, 1994 Derwent Abstract, WPI Acc No. 92-369382/45, Japanese Patent Application No. 4-270199, 1992 Derwent Abstract, WPI Acc No. 90-335599/45, DD No. 279537, 1990 Derwent Abstract, WPI Acc No. 90-128540/17, Japanese Patent Application No. 2-077483, 1990 Derwent Abstract, WPI Acc No. 88-261546/37, Japanese Patent Application No. 63-190800, 1988 Derwent Abstract, WPI Acc No. 87-034097/05, Japanese Patent Application No. 61-291659, 1986 Derwent Abstract, WPI Acc No. 88-052867/08, Japanese Patent Application No. 63-008442, 1988 Chemical Abstract Vol. 114, No. 14, Number 124715d (1990) Chemical Abstract Vol. 112, No. 18, Number 160248w, 1988

And Januel

	07/475,385
17	Chemical Abstract Vol. 110, No. 6, Number 48370n, 1986
1/ x	Chemical Abstract Vol. 69, No. 18, Number 68396p, 1967
the a	Chemical Abstract Vol. 94, No. 16, Number 122906m, 1980
4.	Chemical Abstract Vol. 66, No. 24, Number 105491b, 1966
AL.	Chemical Abstract Vol. 67, No. 2, Number 3806m, 1966
J.	Chemical Abstract Vol. 102, No. 4, Number 28447z, 1984
H.	Chemical Abstract Vol. 100, No. 22, Number 176125s, 1983
4L ,	Chemical Abstract Vol. 106, No. 28, Number 224473b, 1987
M -	Chemical Abstract Vol. 94, No. 8, Number 48630y, 1980
H.	Chemical Abstract Vol. 88, No. 22, Number 161466p, 1978
m.	Chemical Abstract Vol. 104, No. 12, Number 90590k, 1985
K .	Chemical Abstract Vol. 105, No. 8, Number 61488y, 1985
<i>II</i> .	Ouyang et al., "Carbon Black Effects on Treadwear," Presented at a Meeting of the Rubber Division, American Chemical Society, Las Vegas, Nevada, May 29-June 1, 1990
a	Agostini, et al., "New Compound Technology," Goodyear Technical Center, Luxembourg
71	Dialog Abstract of Japanese Application No. 4-362009, 1992
H	Dialog Abstract of Japanese Application No. 4-276000, 1992
IL D.	Studebaker et al., "The Rubber Compound and its Composition," <u>Science and Technology of Rubber</u> , Academic Press, 1978, Chapter 9, pp. 367-375
H.	"Tires," Reprinted from Encyclopedia of Polymer Science and Engineering, Vol. 16, Second Edition, 1969, pp. 834-861
H	Tsubokawa et al., "Grafting Onto Carbon Black Having Few Functional Groups," Shikizai Kyokaisha, Vol. 66, No. 5 (1993), Abstract Only
AL .	J.B. Donnet et al., "Radical Reactions and Surface Chemistry of Carbon Black," Bull. Soc. Chim. 1960 (Abstract Only)
1	Concise Encyclopedia of Polymer Science and Engineering, Wiley, 1990, pp. 104-105
J1 1	Carbon (Carbon Black) Reprinted from KIRK-OTHMER: ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, Vol. 4, Third Edition, pp. 631-643, 1978
ft,	Delamar et al., J. Am. Chem. Soc. 1992, 114, 5883-5884
of.	Kang, "Water-Based Ink-Jet Ink," J. Imaging Science, Vol. 35, No. 3, May/June, 1991, pp. 195-201

1.24-02

			6t/1	475,385	
		U.S. Patent Application No. 08/356,462, December 15, 1994			
	U.S. Patent Application No. 08/356,459, December 15, 1994				
		U.S. Patent Application No. 08/356,460, December 15, 1994			
		U.S. Patent Application No. 08/350,053, December 15, 1994			
-		U.S. Patent Application No. 08/356,664, December 14, 1994			
		U.S. Patent Application Serial No. 08/446,140, May 22, 1995			
	U.S. Patent Application Serial No. 08/446,142, May 22, 1995				
U.S. Patent Application Serial No. 08/446,143, May 22, 1993					
	U.S. Patent Application No. 08/572,526, December 14, 1995				
		U.S. Patent Application No. 08/572,336, December 14, 1995			
		U.S. Patent Application No. 08/572,545, December 14, 1995			
IL	,,	Sircar et al., "Activated Carbon for Gas Separation and Storage," <u>Carbon</u> , Vol. 34, No. 1, pp. 1-12,			
At-	•	Golden et al., "Activated Carbon Adsorbent for PSA Driers," <u>Carbon</u> , Vol. 28, No. 5, pp. 683–690,			
14	Ų.	Mahajan et al., "Surface-Modified Carbons for the Drying of Gas Streams," Separation Science and Technology, 17(8), pp. 1019-1025, 1982			
Examiner	twh	Lave	7-24-02 Date Considered		
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					
Form PTO 14	149	Pa	tent and Trademark Office - U.S. Departmen	t of Commerce	